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Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	09/277,356
				Issue Date	March 26, 1999
				First Named Inventor	Byoung-Ku KIM, et al
				Art Unit	2871
				Examiner Name	DUDEK, James
Sheet	1	of	4	Attorney Docket Number	8733.084

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		2003/0189681	10/2003	Han et al.	
		4,111,533	9/1978	Nakamura et al.	
		4,165,607	09/1978	Nakamura et al	
		4,422,728	12/1983	Andreaggi	
		4,755,035	07/1998	Kopish et al	
		4,781,422	11/1988	Kimble	
		4,796,977	1/1989	Drake	
		4,937,709	6/1990	Yanagi et al.	
		4,959,887	10/1990	Gruenberg et al.	
		5,002,368	03/1991	Anglin	
		5,102,084	4/1992	Park	
		5,103,377	4/1992	Kobayashi et al	
		5,168,426	12/1992	Hoving et al.	
		5,173,837	12/1992	Blackwell et al.	
		5,195,213	03/1993	Ohgami et al	
		5,233,502	08/1993	Beatty et al.	
		5,238,421	08/1993	Kobayashi	
		5,264,992	11/1993	Hogdahl et al	
		5,268,816	12/1993	Abell, Jr. et al.	
		5,268,817	12/1993	Miyagawa et al	
		5,276,589	01/1994	Bartlett et al.	
		5,313,318	05/1994	Gruenberg et al	
		5,328,379	07/1994	Kobayashi	
		5,363,227	11/1994	Ichikawa et al	
		5,379,187	01/1995	Fujimori, et al	
		5,422,751	06/1995	Lewis et. al.	
		5,432,626	07/1995	Sasugar et al.	
		5,486,942	01/1996	Ichikawa et al	
		5,494,447	02/1996	Zaldan	
		5,504,605	4/1996	Sakuma et al.	
		5,559,670	09/1996	Flint et al.	
		5,566,048	10/1996	Esterberg et al.	
		5,619,351	04/1997	Funamoto et al	
		5,634,351	06/1997	Larson et al.	
		5,636,101	06/1997	Bonsall et al.	
		5,636,102	06/1997	Fujino et al.	
		5,644,516	07/1997	Podwalny et al	
		5,654,779	08/1997	Nakayama et al.	
		5,666,172	09/1997	Ida et al.	
		5,680,183	10/1997	Sasugar et al.	
		5,682,645	11/1997	Watabe et al.	
		5,717,566	02/1998	Tao	
		5,771,539	06/1998	Wahlstedt et al.	
		5,777,704	07/1998	Selker	
		5,815,225	09/1998	Nelson	
		5,825,613	10/1998	Holden	

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	5,872,006	2/16/1999	Kim	
	5,872,604	2/16/1999	Kim	
	5,872,606	2/1993	Kim	
	5,926,237	09/20/1999	Yun, et al	
	6,002,457	12/14/1999	Yun et al	
	6,002,582	12/1999	Yeager et al.	
	6,020,942	02/2000	Yun et al	
	6,064,565	5/2000	Ishihara et al.	
	6,144,423	11/7/2000	Kim	
	6,304,432	11/6/2001	Kim	
	6,330,148	12/2001	Won et al.	
	6,373,537	04/16/2002	Yun, et al	
	6,411,501	6/25/2002	Cho	
	6,498,718	12/2002	Kim et al.	
	6,501,641	12/2002	Kim et al.	
	6,512,558	1/2003	Kim	
	6,618,240	9/2003	Kim	
	6,693,794	2/17/2004	Kim	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		JP H01-059223		Yoshitada		
		JP H03-006670	04/13/1989	Yoshimasa		
		EP 1 052 536 A3	01/23/1991	LG. Electronics Inc, et al		
		EP 0 880 049 A1	02/28/2001	LG Electronics Inc.		
		DE 41 20 950	11/25/1998	Shinzo		
		EP 0 317 261	12/24/1992	Sony Corp		
		EP 0 425 793	05/24/1989	Tokyo Shibaura Electric Co.		
		EP 0 454 120	05/08/1991	Tokyo Shibaura Electric Co.		
		EP 0 587 144	03/17/1993	Seiko Epson Corp		
		EP 0 604 872	03/16/1994	Citizen Watch Co.		
		EP 0 620 473	07/06/1994	France Telecom		
		GB 2 305 689	10/19/1994	Hewlett Packard		
		GB 2 305 690	04/16/1997	Hewlett Packard		
		JP S59-020273	04/16/1997	Sharp Corporation		
		JP S62-137479	02/07/1984	Sanyo Electric		
		JP S62-269931	08/29/1987	Matsushita		
		JP H01-094983	11/24/1987	Kyushu Hitachi Maxell		
		JP H01-211721	04/13/1989	Sanyo Electric		
		JP H01-237591	09/22/1989	Toshiba		
		JP H02-079893	03/20/1990	Kimoto Co.		
		JP H02-083573	06/28/1990	Clarion Co.		
		JP H02-244190	09/28/1990	Hitachi		
		JP H03-156488	07/04/1991	NEC Corporation		
		JP H04-020086	02/19/1992	Toshiba		
		JP H04-051595	02/20/1992	Hitachi		
		JP H05-050428	07/02/1993	Tokyo Electric		
		JP H05-080344	04/02/1993	Rohm Co.		

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		JP H06-021018	03/18/1994	Japan Aviation Electronics		
		JP H06-348364	12/22/1994	Kyocera Corp		
		JP H07-199180	08/04/1995	Hitachi		
		JP H07-261187	10/13/1995	Hitachi		
		JP H07-281184	10/27/1995	Hitachi		
		JP H07-044577	11/1995	Sanyo Electric		
		JP H07-044579	11/1995	Sanyo Electric		
		JP H08-211964	08/20/1996	Hitachi		
		JP S52-045367	09/04/1977	Seiko Instr & Electronics		
		JP H09-026753	01/09/1997	Tetsuo		
		JP H09-146466	06/06/1997	Sanyo Electric Co		
		JP H09-199875	07/31/1997	Matsushita Electric Ind. Co.		
		JP H09-297542	11/18/1997	Tokyo Shibaura Electric		
		JP H09-311319	12/02/1997	Advanced Display KK		
		JP H10-301095	11/13/1998	Citizen Watch Co.		
		KR 2003-0080126	10/11/2003	LG Electronics Inc.		
		KR 2003-0080125	10/11/2003	LG Electronics Inc.		
		WO 96/27147	09/06/1996	Hitachi		
		JP H03 001011	06/08/1994	Funai		
		JP H05-042853 A	02/23/1993	Hitachi		
		JP H03-200282 A	09/02/1991	Casio Computer Co.		
		JP H04-056822 A	02/24/1992	Seiko Epson Corp		

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	"Nikkei Microdevice Special Issue Flat Panel Display 1997", December 12, 1996 at p. 49	
		Appln for MCCARTNEY, Richard, et al; The Primary Flight Instruments for the Boeing 777 Airplane; SPIE Vo. 2219 Cockpit Display; 1994; 13 pgs.	
		Appln for SMITH-GILLESPIE, Robert D., et al; 777 LCD Backlight Life; SPIE Vo. 2219 Cockpit Display; 1994; 9 pgs.	
		Appln for WOOD, Ted; Honeywell Militarized Color Liquid Crystal Displays for the F-16; SPIE Vo. 2734; 1994; 12 pgs.	
		KAWAMOTO, Masahiro, et al; Color-Liquid-Crystal Display for Automotive Instrument Panel (English Trnslt'n included); 14 pgs.	
		Prosecution History of European Patent No. 0880049; 184 pgs.	
		Prosecution History of European Patent No. 297 12775; 53 pgs.	
		Prosecution History of European Patent No. 297 21 272.9; 45 pgs.	
		Prosecution History of European Patent No. 2 319 110; 124 pgs.	

Examiner Signature		Date Considered	
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		Prosecution History of European Patent No. 2 761 798; 22 pgs.	
		Prosecution History of European Patent No. 197 3 006; 44 pgs.	
		Prosecution History of Singapore Patent No. 9800814-7; 52 pgs	
		Prosecution History of European Patent No. 0 880 049; 53 pgs	
		Prosecution History of European Patent No. 00115576; 32 pgs	
		English language translation dated April 9, 1999 of attachment to Japanese Patent Appln. H09-135610, (17 pgs.)	

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